Sheet 1 of 2

INFORMATION DISCLOSURE STATEMENT

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FIRMAN, Keith	
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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes	Translation No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

MBS	A1	Amitsur, M. *et al.*, "HSD restriction – modification proteins partake in latent anticodon nuclease", The EMBO Journal **11**(8), 3129-3134 (1992)
✓	A2	Davies, G. P. *et al.*, "*Eco*KI with an amino acid substitution in any one of seven DEAD-box motifs has impaired ATPase and endonuclease activities", Nucleic Acids Research **26**(21), 4828-4836 (1998)
✓	A3	Firman, K. *et al.*, "Measuring motion on DNA by the type I restriction endonuclease *Eco*R124I using triplex displacement", The EMBO Journal **19**(9), 2094-2102 (2000)
✓	A4	Holubová, I. *et al.*, "Localization of the Type I Restriction-Modification Enzyme *Eco*KI in the Bacterial Cell", Biochemical and Biophysical Research Communications **270**, 46-51 (2000)
✓	A5	Janscak, P. *et al.*, "Analysis of the subunit assembly of the type IC restriction-modification enzyme *Eco*R124I", Nucleic Acids Research **26**(19), 4439-4445 (1998)
	A6	Janscak, P. *et al.*, "DNA translocation blockage, a general mechanism of cleavage site selection by type I restriction enzymes", The EMBO Journal **18**(9), 2638-2647 (1999)
✓	A7	Janscak, P. *et al.*, "Single amino acid substitutions in the HsdR subunit of the type IB restriction enzyme *Eco*AI uncouple the DNA translocation and DNA cleavage activities of the enzyme", Nucleic Acids Research **27**(13), 2638-2643 (1999)
✓	A8	Janscak, P. *et al.*, "The Type I Restriction Endonuclease R.*Eco*R124I: Over-production and Biochemical Properties", J. Mol. Biol. **257**(5), 977-991 (1996)
✓	A9	Levitz, R. *et al.*, "The optional *E. coli prr* locus encodes a latent form of phage T4-induced anticodon nuclease", The EMBO Journal 9(5), 1383-1389 (1990)

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

MS	A10	Mernagh, D. R. *et al.*, "Protein-Protein and Protein-DNA Interactions in the Type I Restriction Endonuclease R.*Eco*R124I", Biol. Chem. **379**, 497-503 (1998)
	A11	Morad, I. *et al.*, "Functional Expression and Properties of the tRNALys-specific Core Anticodon Nuclease Encoded by *Escherichia coli prrC*, The Journal of Biological Chemistry **268**(36), 26842-26849 (1993)
	A12	Panne, D. *et al.*, "The McrBC Endonuclease Translocates DNA in a Reaction Dependent on GTP Hydrolysis", J. Mol. Biol. **290**(1), 49-60 (1999)
	A13	Penner, M. *et al.*, "Phage T4-coded Stp: Double-Edged Effector of Coupled DNA and tRNA-Restriction Systems", J. Mol. Biol. **249**(5), 857-868 (1995)
	A14	Schafer, D. A. *et al.*, "Transcription by single molecules of RNA polymerase observed by light microscopy", Nature **352**(6334), 444-448 (1991)
	A15	Shterman, N. *et al.*, "Cleavage of the HIV replication primer $tRNA^{Lys,3}$ in human cells expressing bacterial anticodon nuclease", Nucleic Acids Research **23**(10), 1744-1749 (1995)
	A16	Szczeklkun, M. D. *et al.*, "Repercussions of DNA tracking by the type IC restriction endonuclease *Eco*R124I on linear, circular and catenated substrates", The EMBO Journal **15**(22), 6335-6347 (1996)
	A17	Tyndall, C. *et al.*, "The *Escherichia coli prr* Region Encodes a Functional Type IC DNA Restriction System Closely Integrated with an Anticodon Nuclease Gene", J. Mol. Biol. **237**, 266-274 (1994)
	A18	Wang, M. D. *et al.*, "Force and Velocity Measured for Single Molecules of RNA Polymerase", Science **282**(5390), 902-907 (1998)
	A19	Weiserova, M. *et al.*, "Isolation of a Non-Classical Mutant of the DNA Recognition Subunit of the Type I Restriction Endonuclease R.*Eco*R124I", Biol. Chem. **379**, 585-589 (1998)
	A20	Yin, H. *et al.*, "Transcription Against an Applied Force", Science **270**(5242), 1653-1657 (1995)
	A21	Zinkevich, V. *et al.*, "The HsdR subunit of R-*Eco*R124II: cloning and over-expression of the gene and unexpected properties of the subunit", Nucleic Acids Research **25**(3), 503-510 (1997)
	A22	Ramsden, J.J. and Dreider, J., "Kinetics of the interaction between DNA and the type IC restriction enzyme EcoR124/3]", Biochemistry **35**, 3746-3753 (1996)
	A23	Kulik, E.M. and Bickle, T.A., "Regulation of the Activity of the type IC EcoR124I Restriction Enzyme", J. Mol. Biol. **264**, 891-906 (1996)

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